



# SITUATION REPORT

## Nigeria Centre For Disease Control (NCDC)

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<b>TITLE:</b>	<b>YELLOW FEVER OUTBREAK IN NIGERIA</b>
<b>SERIAL NUMBER:</b>	<b>026</b>
<b>EPI-WEEK:</b>	<b>31</b>
<b>DATE:</b>	<b>30<sup>th</sup> July – 5<sup>th</sup> August, 2018</b>

### HIGHLIGHTS

- In this reporting **week 30<sup>th</sup> July – 5<sup>th</sup> August, 2018**
- Eighteen (18) suspected cases were added to the national line list
- No new in-country presumptive positive in the reporting week
- Last presumptive positive case in the Nigerian lab was 2<sup>nd</sup> July, 2018 reported from the Maitama District Hospital Abuja: The case from Kabba/Bunu LGA of Kogi State
- Last IP Dakar confirmed case from Nigeria was on 6<sup>th</sup> June, 2018 from River State
- Rapid response team conducted outbreak investigation in Edo, Ekiti and River States

### SUMMARY OF OUTBREAK

- A yellow fever outbreak is currently active in Nigeria. Confirmed cases have been recorded in eleven States (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa, Niger, Katsina Edo, Ekiti and Rivers State): in 22 Local Government areas (LGAs) [Table 1]
- 126 samples (presumptive positive and inconclusive) in 58 LGAs sent to IP Dakar [Figure 1]
- All Nigerian states have reported suspected cases in 507 (65.5%) LGAs
- From the onset of this outbreak on September 12, 2017, a total of 2,418 suspected yellow fever cases have been line-listed as at week 31 [30<sup>th</sup> July – 5<sup>th</sup> August, 2018 (Table 1)].
- Of the 2,418 suspected cases, 2,233 (92.3%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,233 samples collected, **110 (4.9%) tested positive for yellow fever (presumptive positive cases) and 16 (0.7%) inconclusive results in six Nigerian laboratories** (Tables 1 & 2)
- **As at Epi week 31 [30<sup>th</sup> July – 5<sup>th</sup> August, 2018], 47 (37.3%) samples out of the 126 (Presumptive positive and inconclusive) samples in Nigeria have been confirmed positive by IP, Dakar. 77 samples were negative, 2 sample are awaiting results from IP Dakar** [Table 1].
- Predominant age groups affected among the suspected cases are 20 years and below (children and younger adults) accounting for 1509 (62.4%) [Male 929 (38.4%): Female 580 (24.0%)]
- Median age is 15 years (range 1 – 92 years)
- Male to female ratio is 1.4 to 1 (male 58.2%, female 41.8%):
- Predominant age groups affected among the confirmed cases are 20 years and below (children and younger adult) accounting (57.4%)
- Among the confirmed, male to female ratio is 1.8:1 (Male 63.8%, Female 36.2%)
- Median age is 18 years (range 2 – 63)
- Yellow fever vaccination campaigns have been successfully completed in six states

- Nasarawa, Cross River, Akwa Ibom; Kogi, Kwara and Zamfara and in fifty-eight political wards in 25 LGAs in Borno State
- 2018 phase 2 PMVC to be implemented from 8<sup>th</sup> – 17<sup>th</sup> November, 2018 in Sokoto, Kebbi, Niger, FCT, Plateau and Borno States
- Total number of deaths in all cases (suspected, probable and confirmed cases) is 47, while 10 deaths were recorded among confirmed cases only. Therefore, the case fatality ratio (CFR) for all cases (including suspected, probable and confirmed) is 1.9%, and 21.3% for confirmed cases.

## EPI- SUMMARY

**Table 1: Showing all affected states and cases with Yellow fever as at week 31 (30<sup>th</sup> July – 5<sup>th</sup> August), 2018**

Description	Abia	Borno	Kogi	Kwara	Plateau	Zamfara	Kebbi	Enugu	Oyo	Anambra	Edo	Lagos	Kano	Nasarawa	Katsina	Niger	Bayelsa	Cross River	Kaduna	Rivers	Sokoto	Imo	Delta	Jigawa	Akwa Ibom	Ebonyi	Ekiti	FCT	Ogun	Ondo	Osun	Benue	Adamawa	Bauchi	Gombe	Taraba	Yobe	Total	
Total Number of cases in the linelist	92	212	89	116	19	143	378	101	28	134	99	42	97	93	147	23	13	13	21	28	43	49	47	10	39	30	29	17	25	37	22	70	20	27	12	25	28	2418	
Number of LGAs with suspected cases	14	21	18	12	12	12	22	14	17	16	18	9	26	14	22	9	5	6	11	15	15	19	21	8	16	11	12	4	10	13	14	19	12	11	9	12	8	507	
Number of LGAs with Presumptive /inconclusive cases	1	3	7	2	1	1	6	2	1	3	4	2	1	1	2	1	0	0	0	3	0	3	4	1	1	3	1	1	2	0	0	0	0	0	0	0	0	58	
Number of LGAs with confirmed cases from IP Dakar	0	0	4	2	0	4	5	0	0	0	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	22	
Number suspected cases with Blood sample collected in Nigeria	91	210	82	77	19	57	374	101	28	134	99	42	96	53	145	23	13	13	21	28	43	49	47	10	39	30	26	17	25	37	22	70	20	27	12	25	28	2233	
Number of Presumptive Positives in Nigeria	1	5	19	12	5	24	17	1	1	3	3	1	1	1	3	2	0	0	0	2	0	1	2	1	0	0	3	1	1	0	0	0	0	0	0	0	0	110	
Number with inconclusive results in Nigeria	0	1	0	1	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	0	2	3	0	1	1	0	0	0	2	0	0	0	0	0	0	0	16	
Total number of samples sent to Dakar	1	6	19	13	5	24	17	1	1	4	5	2	1	1	3	2	0	0	0	3	0	3	5	1	1	1	3	1	1	2	0	0	0	0	0	0	0	126	
Number positive cases from IP Dakar	0	0	10	7	0	18	5	0	0	0	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	47	
Total number negative in Dakar	1	6	7	6	5	6	12	1	1	4	4	2	0	0	2	1	0	0	0	2	0	3	5	1	1	1	2	1	1	2	0	0	0	0	0	0	0	77	
Number awaiting result from Dakar	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Number of deaths from all cases	0	1	4	16	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Number of deaths among presumptive positives	0	0	4	1	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	
Number of deaths from IP Dakar confirmed	0	0	3	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	

States with presumptive/inconclusive cases

States with confirmed cases

States with only suspected cases

**CFR for all cases = 1.9%, among the Presumptive/inconclusive cases 11.1% and among IP Dakar confirmed cases 21.3%**

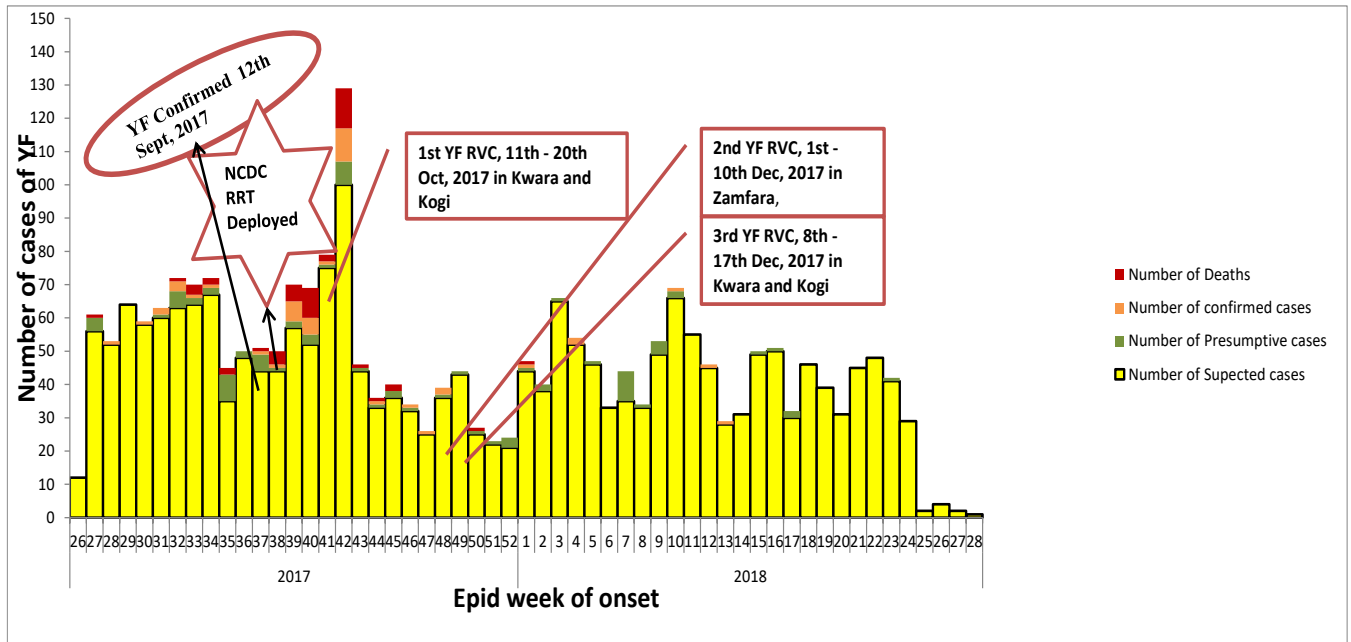


Figure 1: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 31 (30<sup>th</sup> July – 5<sup>th</sup> August), 2018

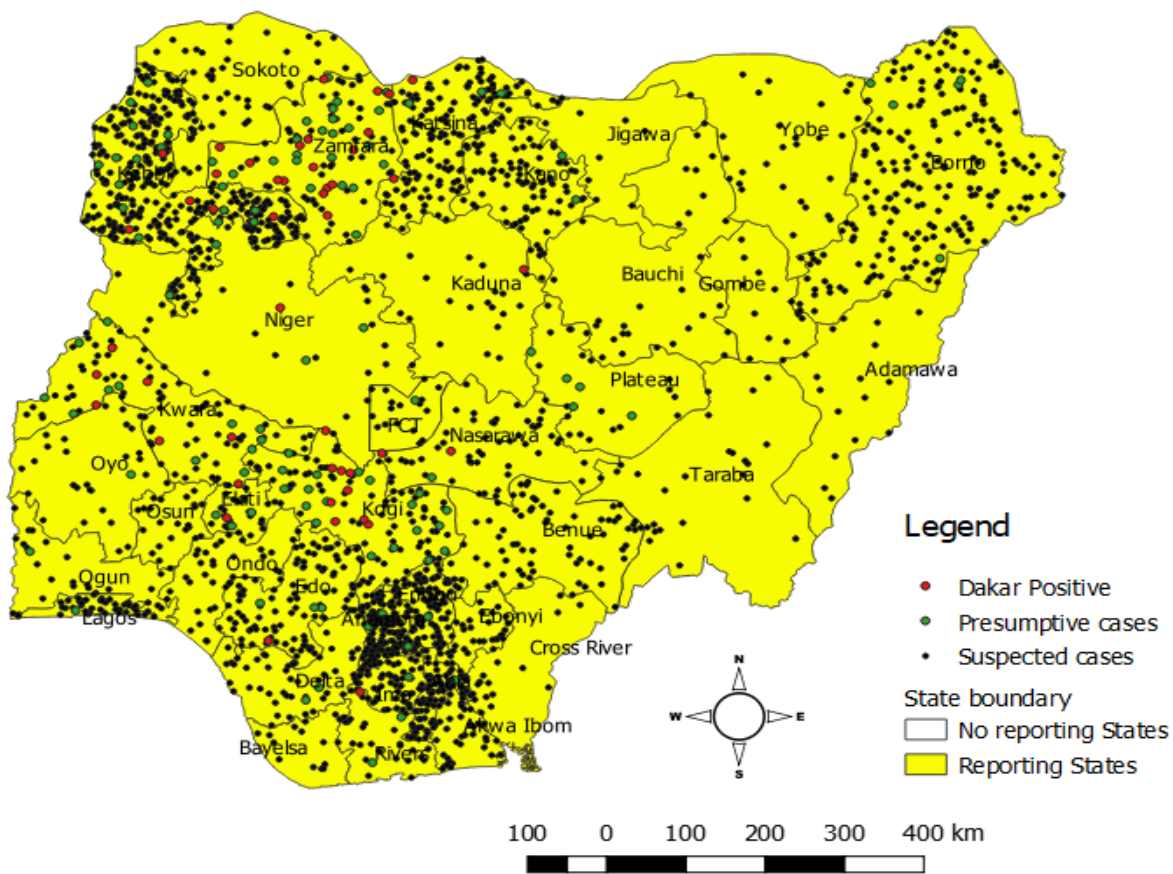


Figure 3: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 31 (30<sup>th</sup> July – 5<sup>th</sup> August), 2018